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15. Supplementary Notes One of the ERTS-1 projects conducted by the Univ. of Alaska. ERTS-1 Project 110-11			
16. Abstract This project primarily involves the preparation of a file of selected ERTS-1 prints for all of Alaska as well as the preparation of a mosaic of the state as soon as possible. In addition, data in a variety of formats is being collected for the Fairbanks area to serve as local examples to illustrate the possibilities of remote sensing. The imagery presently available does not provide sufficient coverage to prepare a mosaic of the state at this time. It is hoped that sufficient data will be generated this Spring. Presently a graduate student is going through the print material available at the Geophysical Institute and selecting what good or better material is now available.			
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BI-ANNUAL PROGRESS REPORT

UNIVERSITY OF ALASKA

ERTS PROJECT 110-11

February 18, 1973

I-INTRODUCTION:

This report summarizes the work performed during the first six months of contract no. NAS5-21833, ERTS-1 Project no. 110-11: ERTS-1 Data as a Teaching and Research Tool in the Department of Geology.

Because of the late launch of ERTS-1 and because the preparation of a mosaic of the state of Alaska requires fairly complete coverage of the whole state, little has been done on this project to date. It is hoped that the bulk of this project can be completed this Spring when additional data becomes available rather than last Fall as originally planned.

II-STATUS OF PROJECT:

As mentioned previously, little has been ^{done} on this project due basically to the unavailability of complete coverage of Alaska with good quality print material to date. The graduate student that was to have worked on the project last Fall had to be supported from other sources and he is only now beginning the ^{selection} ~~section~~ of what material is available.

III-NEW TECHNOLOGY: None

IV-PLANS FOR NEXT REPORTING PERIOD:

The original project included a trip to GSFC by the principal investigator to examine all the ERTS-1 material from Alaska and select sufficient material for a mosaic of the state and representative good to excellent coverage of Alaska for a working collection of prints. This trip was programmed to occur in the early part of this year and the material was not routinely ordered on a Standing Order Form but was to have been ordered on a Data Request Form upon this selection. Not only is only partial coverage now available but all of that is now conveniently available in print format at the Geophysical Institute, University of Alaska as part of ERTS-1 project 110-1.

A graduate student is now actively going through this material and is selecting the better quality data. This will result in

coverage for at least large areas of the state. Hopefully, the satellite is again transmitting Alaskan data (after a cessation from November 15 to February 15) and additional data will become available this Spring. The selection process will continue as it is received. In addition, when the prints are received, the procedures for making the mosaic will be fully worked out by preparing partial mosaics of selected areas in the state. There is also some doubt whether black and white or color prints will be more practical for preparation of the mosaic and this will be determined in preparing these partial mosaics.

V-RECOMMENDATIONS:

Even in the initial selection process now being undertaken, it is obvious that there is no substitute for examining actual 9.5" paper prints or similar material. The use of the catalogs and even the microfilm data in some cases are not suitable for a definitive selection. In particular, the cloud cover figures are not infrequently in obvious error. There is also no separation of data with cloud cover over definite areas that still leave large areas of quite useable information from scattered patchy cloud cover in about the same percent range that practically obscures the whole area.

VI- PUBLICATIONS: None

VII - REFERENCES: None

APPENDIX A - CHANGE IN STANDING ORDER FORMS: None

APPENDIX B - ERTS DATA REQUEST FORMS: None

APPENDIX C- ERTS IMAGE DESCRIPTOR FORMS: None

APPENDIX D - SIGNIFICANT RESULTS: None